

IN THE SPECIFICATION

Please replace Equation 3 appearing on page 3 with the following substitute equation.

$$\cancel{h_0 x_i + h_1 y_i + h_2 = x_i w_i}$$

$$h_0 x_i + h_1 y_i + h_2 = x_i' w_i$$

Please replace Equation 8 appearing on page 8 with the following substitute equation.

$$\cancel{h_0 x_i + h_1 y_i + h_2 - h_6 x_i x_i' - h_7 y_i y_i' - h_8 y_i' = 0}$$

$$h_0 x_i + h_1 y_i + h_2 - h_6 x_i x_i' - h_7 y_i x_i' - h_8 x_i' = 0$$

Please replace the matrix appearing on page 9 with the following substitute equation.

$$\left(\begin{array}{cccccc|ccc} x_1 & y_1 & 1 & 0 & 0 & 0 & -x_1 x_1' & -y_1 x_1' & -x_1' \\ 0 & 0 & 0 & x_1 & y_1 & 1 & -x_1 y_1' & -y_1 y_1' & -y_1' \\ x_2 & y_2 & 1 & 0 & 0 & 0 & -x_2 x_2' & -y_2 x_1' & -x_2' \\ 0 & 0 & 0 & x_2 & y_2 & 1 & -x_2 y_2' & -y_2 y_2' & -y_2' \\ \hline x_3 & y_3 & 1 & 0 & 0 & 0 & -x_3 x_3' & -y_3 x_3' & -x_3' \\ 0 & 0 & 0 & x_3 & y_3 & 1 & -x_3 y_3' & -y_3 y_3' & -y_3' \\ x_4 & y_4 & 1 & 0 & 0 & 0 & -x_4 x_4' & -y_4 x_4' & -x_4' \\ 0 & 0 & 0 & x_4 & y_4 & 1 & -x_4 y_4' & -y_4 y_4' & -y_4' \end{array} \right) \begin{pmatrix} h_0 \\ h_1 \\ h_2 \\ h_3 \\ h_4 \\ h_5 \\ h_6 \\ h_7 \\ h_8 \end{pmatrix} = 0$$

$$\begin{pmatrix} x_1 & y_1 & 1 & 0 & 0 & 0 & -x_1x_1 & -y_1x_1 & -x_1 \\ 0 & 0 & 0 & x_1 & y_1 & 1 & -x_1y_1 & -y_1y_1 & -y_1 \\ x_2 & y_2 & 1 & 0 & 0 & 0 & -x_2x_2 & -y_2x_2 & -x_2 \\ 0 & 0 & 0 & x_2 & y_2 & 1 & -x_2y_2 & -y_2y_2 & -y_2 \\ x_3 & y_3 & 1 & 0 & 0 & 0 & -x_3x_3 & -y_3x_3 & -x_3 \\ 0 & 0 & 0 & x_3 & y_3 & 1 & -x_3y_3 & -y_3y_3 & -y_3 \\ x_4 & y_4 & 1 & 0 & 0 & 0 & -x_4x_4 & -y_4x_4 & -x_4 \\ 0 & 0 & 0 & x_4 & y_4 & 1 & -x_4y_4 & -y_4y_4 & -y_4 \end{pmatrix} \begin{pmatrix} h_0 \\ h_1 \\ h_2 \\ h_3 \\ h_4 \\ h_5 \\ h_6 \\ h_7 \\ h_8 \end{pmatrix} = 0$$

2/6. Please replace paragraph 0067 on pages 13 and 14 with the following substitute paragraph.

[0067] In the embodiment above, at step S40 the image data for the intervening images in the time-lapse sequence is calculated for each pixel in each intervening image by linear interpolation between the value of the pixel in one input image and the value of the pixel in the following input image. This linear interpolation assumes that each input image will be displayed as one frame of the time-lapse video sequence. However, to ensure that the input images are more prominent in the time-lapse sequence, it is possible to repeatedly display each input image over a number of consecutive frames in the time-lapse sequence. In this case, the number of intervening images to be calculated by interpolation is reduced and the linear interpolation parameters are adjusted accordingly.